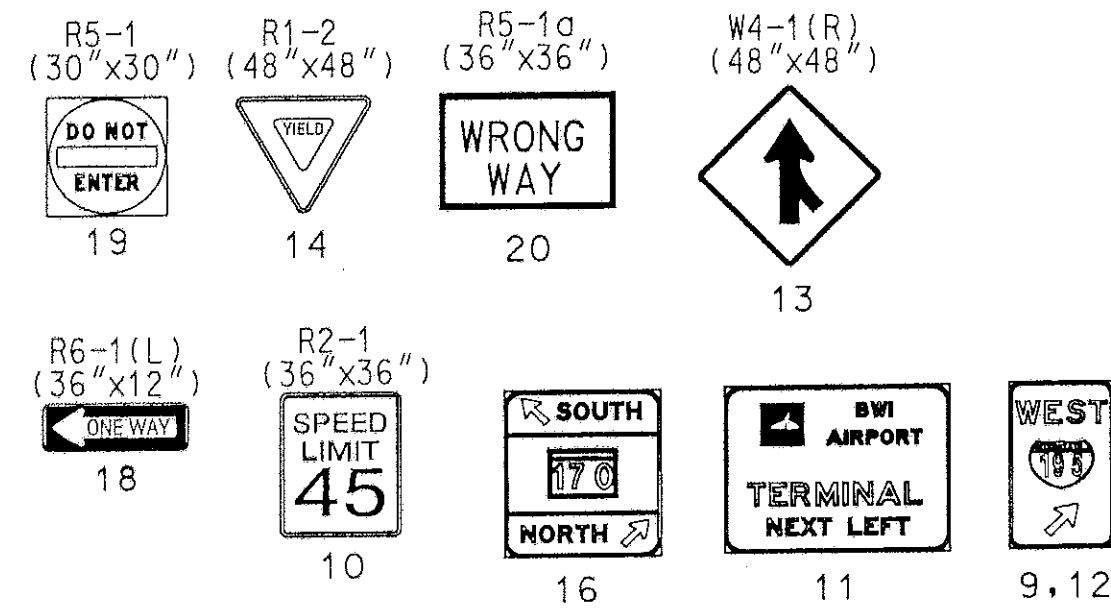
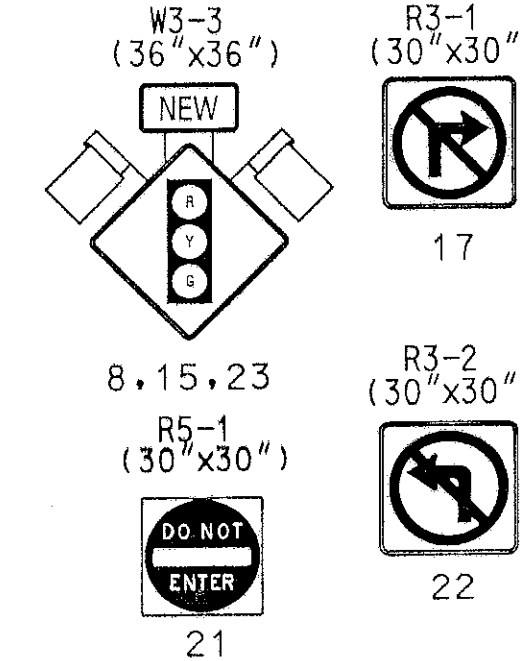


MD 170 IS ASSUMED TO RUN
IN AN NORTH/SOUTH DIRECTION

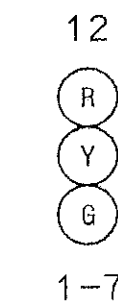
EXISTING SIGNS



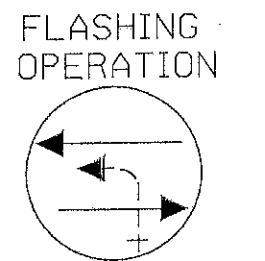
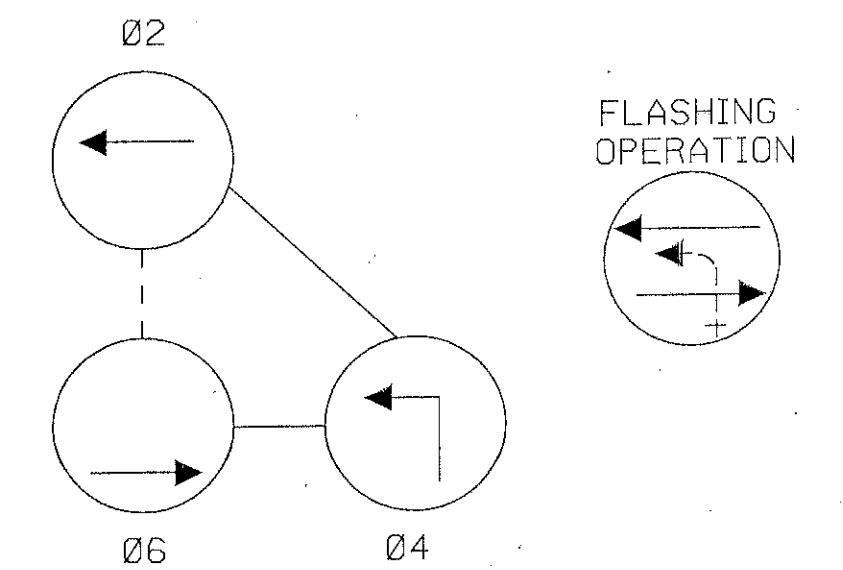
PROPOSED SIGNS



PROPOSED SIGNALS

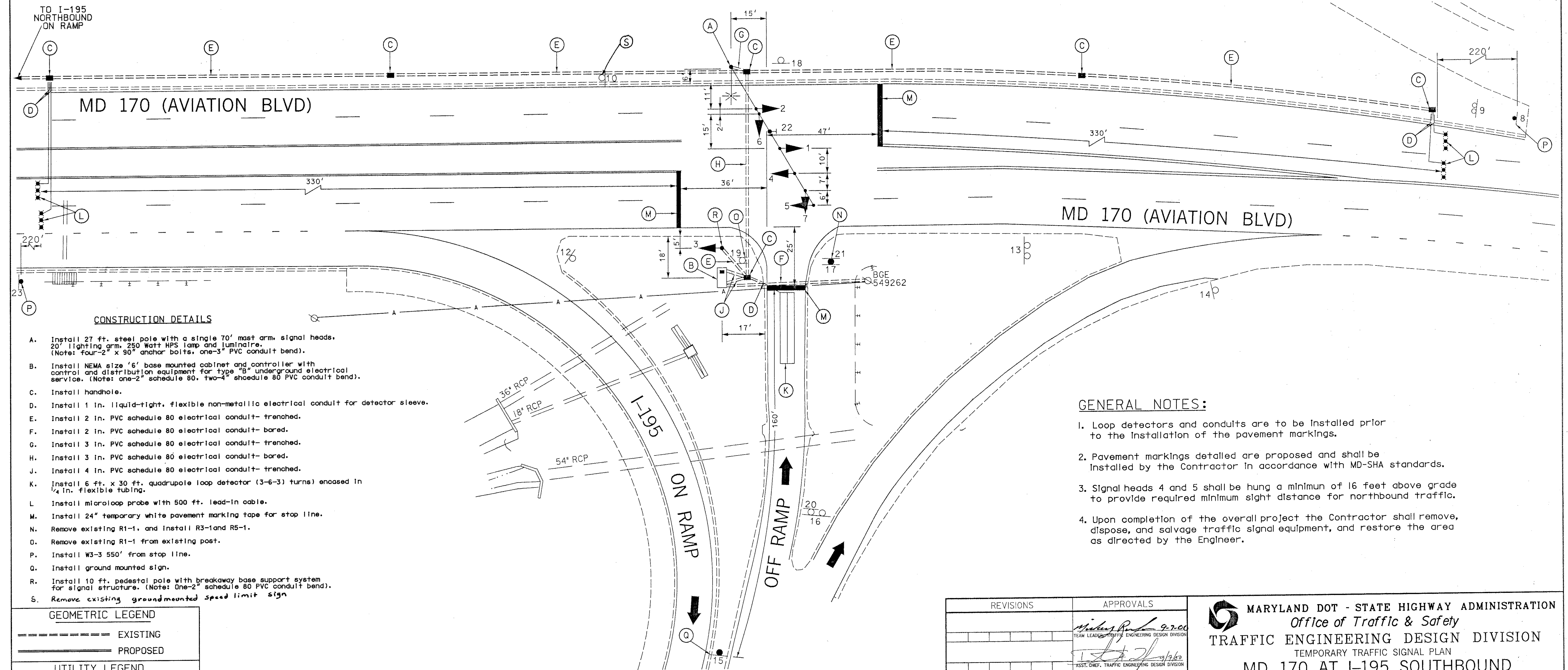


NEMA PHASING



PHASING NOTES:

1. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.



CONSTRUCTION DETAILS

- Install 27 ft. steel pole with a single 70' mast arm, signal heads, 20' lighting arm, 250 Watt HPS lamp and luminaire. (Note: four-2" x 90" anchor bolts, one-3" PVC conduit bend).
- Install NEMA size '6' base mounted cabinet and controller with control and distribution equipment for type "B" underground electrical service. (Note: one-2" schedule 80, two-4" schedule 80 PVC conduit bend).
- Install handhole.
- Install 1 in. liquid-tight, flexible non-metallic electrical conduit for detector sleeve.
- Install 2 in. PVC schedule 80 electrical conduit- trench.
- Install 2 in. PVC schedule 80 electrical conduit- bored.
- Install 3 in. PVC schedule 80 electrical conduit- trench.
- Install 3 in. PVC schedule 80 electrical conduit- bored.
- Install 4 in. PVC schedule 80 electrical conduit- trench.
- Install 6 ft. x 30 ft. quadrupole loop detector (3-6-3) turns) encased in 1/4 in. flexible tubing.
- Install microloop probe with 500 ft. lead-in cable.
- Install 24" temporary white pavement marking tape for stop line.
- Remove existing R1-1, and install R3-1 and R5-1.
- Remove existing R1-1 from existing post.
- Install W3-3 550' from stop line.
- Install ground mounted sign.
- Install 10 ft. pedestal pole with breakaway base support system for signal structure. (Note: One-2" schedule 80 PVC conduit bend).
- Remove existing ground-mounted speed limit sign.

GEOMETRIC LEGEND

----- EXISTING
===== PROPOSED

UTILITY LEGEND

SD STORM DRAIN
G GAS MAIN
W WATER MAIN
S SEWER MAIN
E ELECTRIC CABLES
A AERIAL CABLES
T TELEPHONE CABLES

GENERAL NOTES:

1. Loop detectors and conduits are to be installed prior to the installation of the pavement markings.
2. Pavement markings detailed are proposed and shall be installed by the Contractor in accordance with MD-SHA standards.
3. Signal heads 4 and 5 shall be hung a minimum of 16 feet above grade to provide required minimum sight distance for northbound traffic.
4. Upon completion of the overall project the Contractor shall remove, dispose, and salvage traffic signal equipment, and restore the area as directed by the Engineer.

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REVISIONS	APPROVALS
	<i>Michael R. ...</i> TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
	<i>...</i> ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	<i>...</i> CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	<i>...</i> DIRECTOR, OFFICE OF TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION Office of Traffic & Safety TRAFFIC ENGINEERING DESIGN DIVISION TEMPORARY TRAFFIC SIGNAL PLAN MD 170 AT I-195 SOUTHBOUND OFF RAMP			
DRAWN BY: JAMES ALLEN JR.	F.A.P. NO. 4033	TS NO. 4033	SHEET NO. 204
CHECKED BY: D. PETERS	S.H.A. NO. ANNE ARUNDEL	T.I.M.S. NO. E 204	OF
SCALE: 1"=20'	COUNTY: ANNE ARUNDEL	LOG MILE: 02017007.57	
DATE: JUNE, 2000			